

SEARCH REQUEST FORM

Scientific and Technical Information Center

Requester's Full Name: Susy Tsang-Faster Examiner #: 76063 Date: 6/4/04
 Art Unit: 1745 Phone Number 301-571-2721 Serial Number: 091918464
 Mail Box and Bldg/Room Location: REMSEN Results Format Preferred (circle): PAPER DISK E-MAIL
6D75

If more than one search is submitted, please prioritize searches in order of need.

Please provide a detailed statement of the search topic, and describe as specifically as possible the subject matter to be searched. Include the elected species or structures, keywords, synonyms, acronyms, and registry numbers, and combine with the concept or utility of the invention. Define any terms that may have a special meaning. Give examples or relevant citations, authors, etc, if known. Please attach a copy of the cover sheet, pertinent claims, and abstract.

Title of Invention: Fluoroalkyl Phosphates for use in Electrochemical Cells
 Inventors (please provide full names): Please see attached sheet

Earliest Priority Filing Date: August 1, 2001

For Sequence Searches Only Please include all pertinent information (parent, child, divisional, or issued patent numbers) along with the appropriate serial number.

Please search for a fluoroalkyl phosphate of the formula (I)

$$M^{n+} [PF_x (C_y F_{2y+1-z} H_z)_{6-x}]_n^-$$
 in which

$1 \leq x \leq 6$; $1 \leq y \leq 8$, $0 \leq z \leq 2y+1$, $1 \leq n \leq 3$, and

M^{n+} is one of the following cations:

$NR^1R^2R^3R^4$, $PR^1R^2R^3R^4$, $P(NR^1R^2)(NR^3R^4)(NR^5R^6)$, $(NR^1R^2)(NR^3R^4)(NR^5R^6)$, where

R^1 to R^6 are H , $C_y F_{2y+1-z} H_z$ or an aromatic radical.
 (Please ^{see} attached claim 1). Please also note that

the $C_y F_{2y+1-z} H_z$ group in M^{n+} may be the same or different from that in the anion. For example, the formula encompasses $N(C_2H_5)_4 [PF_3(C_2F_5)_3]$ and

$N(CH_3)_4 [PF_3(C_4F_9)_3]$ in applicant's specification.

Thank you

Please see attached claim 1.

STAFF USE ONLY

	Type of Search	Vendors and cost where applicable
Searcher: <u>K. Fuller</u>	NA Sequence (#) _____	STN <u>✓</u>
Searcher Phone #: _____	AA Sequence (#) _____	Dialog _____
Searcher Location: _____	Structure (#) <u>2</u>	Questel/Orbit _____
Date Searcher Picked Up: _____	Bibliographic _____	Dr. Link _____
Date Completed: <u>6/3/04</u>	Litigation _____	Lexis/Nexis _____
Searcher Prep & Review Time: <u>30</u>	Fulltext _____	Sequence Systems _____
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Online Time: <u>28</u>	Other _____	Other (specify) _____

Subject



STIC Search Report

EIC 1700

STIC Database Tracking Number: 123884

TO: Susy Tsang-Foster
Location: REM 6D75
Art Unit : 1745
June 8, 2004

Case Serial Number: 09/918464

From: Kathleen Fuller
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Search Notes